

Title (en)

ELECTRONICALLY CONTROLLED FIXATION LIGHT FOR OPHTHALMIC IMAGING SYSTEMS

Title (de)

ELEKTRONISCH GESTEUERTES BEFESTIGUNGSLICHT FÜR OPHTHALMISCHE ABBILDUNGSSYSTEME

Title (fr)

POINT LUMINEUX COMMANDÉ DE MANIÈRE ÉLECTRONIQUE DESTINÉ À DES SYSTÈMES D'IMAGERIE OPHTALMIQUES

Publication

EP 2618721 A2 20130731 (EN)

Application

EP 11825823 A 20110913

Priority

- US 88519310 A 20100917
- US 2011051466 W 20110913

Abstract (en)

[origin: US2012069302A1] An electronically controlled fixation light system is described for ophthalmic systems. The ophthalmic system can include an ophthalmic imaging device that generates an image of a portion of an imaged eye, a fixation light controller that includes an input module, configured to receive an input in relation to the image generated by the ophthalmic imaging device, and a control signal generator that generates an electronic fixation light control signal in response to the received input, and a fixation light source, configured to receive the fixation light control signal, and to generate a fixation light according to the received fixation light control signal. A surgeon can image a portion of an eye with the imaging device, determine a misalignment of the imaged eye relative to the imaging device based on the image, and control the fixation light with an electronic control signal to reduce the determined misalignment.

IPC 8 full level

A61B 3/10 (2006.01); **A61B 3/00** (2006.01); **A61B 3/14** (2006.01); **A61F 9/008** (2006.01)

CPC (source: EP KR US)

A61B 3/0075 (2013.01 - EP US); **A61B 3/0091** (2013.01 - EP US); **A61B 3/10** (2013.01 - KR); **A61B 3/102** (2013.01 - EP US); **A61B 3/117** (2013.01 - EP US); **A61B 3/14** (2013.01 - KR); **A61B 3/152** (2013.01 - EP US); **G01B 9/02** (2013.01 - KR); **A61F 9/008** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012069302 A1 20120322; **US 9532708 B2 20170103**; AU 2011302161 A1 20130404; BR 112013005808 A2 20191224; CA 2809140 A1 20120322; CA 2809140 C 20180821; CN 103118585 A 20130522; CN 103118585 B 20151216; EP 2618721 A2 20130731; EP 2618721 A4 20140305; EP 2618721 B1 20190529; ES 2736251 T3 20191227; JP 2013537092 A 20130930; JP 5918241 B2 20160518; KR 101900907 B1 20181102; KR 20140001865 A 20140107; MX 2013002828 A 20130509; MX 354151 B 20180215; TW 201212881 A 20120401; TW I580395 B 20170501; WO 2012037169 A2 20120322; WO 2012037169 A3 20120705; WO 2012037169 A8 20130411

DOCDB simple family (application)

US 88519310 A 20100917; AU 2011302161 A 20110913; BR 112013005808 A 20110913; CA 2809140 A 20110913; CN 201180044406 A 20110913; EP 11825823 A 20110913; ES 11825823 T 20110913; JP 2013529275 A 20110913; KR 20137009687 A 20110913; MX 2013002828 A 20110913; TW 100133349 A 20110916; US 2011051466 W 20110913